



Macfare[®]
Xpro

5 L e

Fungicide

For Professional use only

A fungicide for the control of foliar diseases in winter and spring barley and oats.

In cereal crops Macfare_{xpro} can increase chlorophyll content/ photosynthesis in treated plants, and extend duration of green leaf area retention, for yield increases above that resulting from disease control alone.

An emulsifiable concentrate formulation containing 65 g/L (6.4% w/w) bixafen, 65 g/L (6.4% w/w) fluopyram and 130 g/L (12.7% w/w) prothioconazole.

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Safety information

MACFARE XPRO

Contains 65 g/L (6.4% w/w) bixafen,
65 g/L (6.4% w/w) fluopyram,
130 g/L (12.7% w/w) prothioconazole
and N,N-Dimethyl decanamide.



DANGER

Harmful if swallowed.

May cause an allergic skin reaction.

Causes serious eye damage.

May cause respiratory irritation

Very toxic to aquatic life with long lasting effects.

Wear protective gloves/protective clothing/ eye protection/face protection.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.

Collect spillage. Protect from sunlight. Dispose of contents/container to a licensed hazardous-waste disposal contractor or collection site except for triple rinsed empty containers which can be disposed of as non-hazardous waste.

To avoid risks to human health and the environment, comply with the instructions for use.

PCS No. 06521



SAFETY PRECAUTIONS

Operator Protection

WHEN USING DO NOT EAT, DRINK OR SMOKE.

WASH HANDS AND EXPOSED SKIN before meals and after work.

Avoid breathing spray.

IF ON SKIN: Wash with soap and water.

Take off contaminated clothing and wash before reuse.

Collect spillage.

Environmental Protection

Do not contaminate water with the product or its container. (Do not clean application equipment near surface water. Avoid contamination via drains from farmyards and roads).

To protect aquatic organisms respect an unsprayed buffer zone of 5 m to surface water bodies.

Storage and Disposal

KEEP IN ORIGINAL CONTAINER tightly closed in a safe place.

RINSE CONTAINER THOROUGHLY by using an integrated pressure rinsing device or manually rinsing three times. Add washings to sprayer at time of filling and dispose of safely. Triple rinsed containers should be punctured to prevent re-use and may be disposed of by an authorised contractor or at a municipal waste recycling site.

DO NOT RE-USE CONTAINER for any purpose.

Keep out of reach of children.

Keep away from food, drink and animal feeding stuffs.

PROTECT FROM FROST.



To access the **Safety Data Sheet** for this product scan the code or use the link below:

www.bayercropscience.ie/sds/macfarexpro.pdf

or alternatively contact your supplier

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DIRECTIONS FOR USE

IMPORTANT: This information is approved as part of the Product Label. All instructions within this section must be read carefully in order to obtain safe and successful use of this product.

Macfare_{xpro} is a mixture of two SDHI fungicides from different chemical groups and a triazolinthione fungicide recommended for control of a wide range of diseases in barley and oats.

PROTECT FROM FROST

RATE OF USE

Crop	Maximum individual dose	Maximum number of applications	Latest time of application
Winter and spring barley and oats	1.2 litres product per hectare	1 per crop	Up to beginning of flowering (BBCH 61).

Other specific restrictions

A maximum of 2 foliar applications of product(s) containing SDHIs can be applied to any cereal crop.

Method of application: Tractor mounted sprayer

A spray pressure of 2–3 bar is recommended. Apply Macfare_{xpro} in 100–300 litres of water per hectare.

Apply as a medium spray quality.

CROPS

Macfare_{xpro} may be used on all commercial varieties of winter and spring barley and oats.

APPLICATION

Water Volume

Apply Macfare_{xpro} in 100–300 litres of water per hectare. The higher spray volumes are recommended where the crop is dense to ensure good penetration to the lower leaves and stem bases. Disease control may be compromised by reducing water volumes, where good spray coverage is difficult to achieve.

Mixing

Thoroughly shake the pack before use.

Add the required quantity of Macfare_{xpro} to the half-filled spray tank with the agitation system in operation and then fill to the required level. Continue agitation at all times during spraying and stoppages until the tank is completely empty. Spray immediately after mixing.

General

Sprayers should be thoroughly cleaned with water and detergent after use, and filters and jets checked for damage and blockages.

Boom height should be adjusted to ensure even coverage of the crop, particularly at later growth stages. The correct height is one at which the spray from alternate nozzles meets just above the crop, in dense crops, at later growth stages, higher water volumes should be used.

DISEASES CONTROLLED

	Barley	Oats
Powdery Mildew (<i>Blumeria graminis</i>)	C	C
Yellow Rust	C	
Brown Rust	C	
Crown Rust		C
<i>Rhynchosporium</i> Leaf blotch	MC	
Net blotch (<i>Pyrenophora teres</i>)	MC	
Ramularia (<i>R. collo-cygni</i>)	MC	
C = Control MC =Moderate control R= Reduction		

APPLICATION TIMING

Only one application of Macfare_{xpro} is permitted in barley and oats. For severe infections of foliar diseases a second application of another effective product may be necessary 2–3 weeks later.

Powdery Mildew (*Blumeria graminis*)

Apply Macfare_{xpro} at the first signs of disease.

Yellow Rust (*Puccinia striiformis*), Brown Rust (*P. hordei*) and Crown Rust (*P. coronata*)

Apply Macfare_{xpro} at the first signs of disease. Applications made to established infections are likely to be less effective.

Leaf Blotch (*Rhynchosporium secalis*) and Net Blotch (*Pyrenophora teres*)

Apply Macfare_{xpro} in spring at the first signs of disease. For severe infections a second application of another effective product may be necessary 2–3 weeks later.

Ramularia (*Ramularia collo-cygni*)

Apply Macfare_{xpro} at the first signs of disease. Applications made to established infections are likely to be less effective.

RESISTANCE STRATEGY

Macfare_{xpro} is a formulated mixture of a triazole fungicide and two SDHIs from different chemical groups.

Isolates of certain cereal diseases with decreased sensitivity to DMI fungicides are known to exist. Where these occur or develop Macfare_{xpro} may not give satisfactory control.

Mixtures of two or more SDHI fungicides do not provide an anti-resistance strategy. Each application of such a mixture counts as one SDHI application.

Tank mixtures or alternation with fungicides having a different mode of action against the diseases present have been shown to protect against the development of resistant forms of disease.

Do not tank mix Macfare_{Xpro} with other SDHI containing fungicide formulations.

Macfare_{Xpro} should be used in accordance with the instructions for use for the target diseases at the specific growth stages indicated.

Use Macfare_{Xpro} as part of an Integrated Crop Management (ICM) strategy incorporating other methods of control.

For further advice on resistance management contact your agronomist or specialist advisor and visit the FRAG-UK website.

CAUTION: The possible development of disease strains resistant to Macfare_{Xpro} cannot be excluded or predicted. Where such resistant strains occur, Macfare_{Xpro} is unlikely to give satisfactory control.

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